

702.4.01 Limits

General Provisions 101 through 150.

702.5 Payment

A. Plants

Plants measured for payment will be paid for as follows:

1. After planting satisfactorily, the Department will pay 70 percent of the Contract Unit Price bid per each on the next estimate.
2. Until Final Acceptance, perform all required maintenance according to Subsection 702.3.07.C when necessary or as ordered by the Engineer.

If the Contractor fails to properly maintain the landscaping, the Department will assess liquidated damages according to the schedule of deductions shown in Subsection 108.08, but not less than \$150 per calendar day, and will continue until project maintenance is approved by the Engineer.

The liquidated damages are in addition to those specified for delay or failure in completing The Work within the specified time.

3. After the first semi-final inspection, the Department will pay 10 percent of the Contract Unit Price bid per each of the live, viable plants.
4. After the second semi-final inspection, the Department will pay 10 percent of the Contract Unit Price bid per each of the live, viable plants.
5. At Final Acceptance, the Department will pay the remaining 10 percent less the Full Contract Unit Price bid per each plant not accepted.

Payments are full compensation for furnishing, planting, replanting as required, pruning, staking (except for perimeter staking, wrapping and guying, soil conditioning, and preparing plant beds) including applying additives, digging plant pits, preparing plant topsoil and mulch, disposing of waste material, and maintaining the plants during the plant-establishment period.

B. Fertilizer

All grades of fertilizer applied in the spring, measured as specified above, are paid for at the Contract Price per pound (kilogram) or per ton (megagram), whichever is indicated in the Proposal. Payment is full compensation for furnishing and applying and for watering regenerated areas.

C. Perimeter Stakes

Perimeter stakes measured for payment will be paid for at the Contract Price per each. Payment is full compensation for furnishing and placing the stakes.

Payment will be made under:

Item No. 702	Plant name and size	Per each
Item No. 702	Fertilizer, spring application	Per ton (megagram)
Item No. 702	Perimeter stakes	Per each
Item No. 702	Spring application fertilizer	Per pound (kilogram)

702.5.01 Adjustments

General Provisions 101 through 150.

Section 703—Tree Wells, Tree Walls, and Root Protection

703.1 General Description

This work includes protecting the root systems of selected trees and shrubs with retaining walls, tree wells, and porous material.

703.1.01 Definitions

General Provisions 101 through 150.

703.1.02 Related References**A. Standard Specifications**

Section 607—Rubble Masonry

Section 834—Masonry Materials

Section 842—Clay Pipe

Section 893—Miscellaneous Planting Material

B. Referenced Documents

General Provisions 101 through 150.

703.1.03 Submittals

General Provisions 101 through 150.

703.2 Materials

Use materials that meet the requirements of the following Specifications:

Material	Section
Mortar and Grout	834
Masonry Stone	834
Clay Underdrain Pipe	842.2
Clay Drain Tile	842.2
Porous Material	893.2.05
Tree Paint	893.2.06

703.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

703.3 Construction Requirements**703.3.01 Personnel**

General Provisions 101 through 150.

703.3.02 Equipment

General Provisions 101 through 150.

703.3.03 Preparation

General Provisions 101 through 150.

703.3.04 Fabrication

General Provisions 101 through 150.

703.3.05 Construction**A. Excavating and Filling Foundations**

Avoid unnecessarily injuring root systems when excavating for tree wells and tree walls.

Excavate and fill foundations to these requirements:

- To the elevations shown on the Plans or as directed
- To the full widths and lengths of footings shown on the Plans

Where the soil under tree wells or tree walls is unstable, backfill the foundation area with broken stone, coarse gravel, or other approved material and firmly tamp it.

703.3.06

Ensure that foundations firmly and uniformly support masonry.

B. Constructing Masonry

Build the tree wells and tree walls from rubble masonry according to Plan details. Use rubble masonry according to Section 607.

C. Providing Drainage

Provide adequate well drainage using weep holes, pipe drains, drain tile, or porous material as shown on the Plans.

D. Protecting Tree Roots

Where tree root protection is required, spread porous material loosely to the extent and depths indicated on the Plans, or as directed by the Engineer. Before spreading porous material, clean the tree root protection area of vegetation. Before backfilling over a tree or plant that will be preserved, place porous material above its roots.

E. Damaging Plants

Avoid cutting roots or damaging trees and shrubs while building tree wells and tree walls and placing the porous material to protect the roots.

When making necessary cuts, use sharp tools and cut cleanly according to the best horticultural practices. Immediately cover with tree paint, all scarred or cut surfaces 1 in (25 mm) or more in diameter.

703.3.06 Quality Acceptance

General Provisions 101 through 150.

703.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

703.4 Measurement

A. Tree Well and Tree Wall

Tree well and tree wall masonry completed and accepted is measured for payment in cubic yards (meters).

B. Porous Material

Porous material for tree root protection, placed and accepted, is measured for payment in cubic yards (meters) as measured loose in the vehicle at the point of dumping.

C. Drain Pipe or Tile

Drain pipe or drain tile is measured for payment in linear feet (meters) along the center of each line, lateral, or riser from ends-to-center or center-to-center of junctions and fittings.

D. Excavation, Paint, and Replacement or Disposal of Material

No measurement or payment is made for excavation, tree paint, replacement of unsuitable material, or disposal of surplus material. These are considered a part of the Pay Item to which each pertains.

703.4.01 Limits

General Provisions 101 through 150.

703.5 Payment

Rubble masonry for tree wells and walls and porous material for tree root protection will be paid for at the Contract Unit Price per cubic yards (meters).

Clay drain pipe or drain tile will be paid for by the linear foot (meter).

Payment will be made under:

Item No. 703	Rubble masonry for tree wells and walls	Per cubic yard (meter)
Item No. 703	Porous material for tree root protection	Per cubic foot (meter)
Item No. 703	Drain pipe_____ in (mm)	Per linear foot (meter)
Item No. 703	Drain tile_____ in (mm)	Per linear foot (meter)